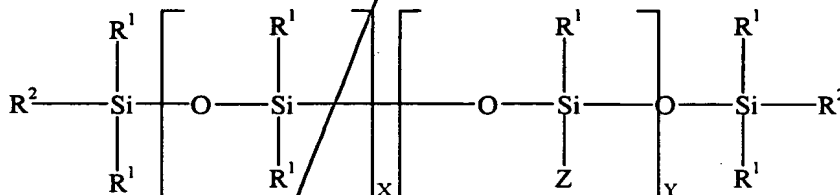


## CLAIMS

What is claimed is:

1. A composition comprising a seed treatment formulation and an organosilicone additive of the formula:



wherein:

X is a number from 0 to 30;

Y is a number from 0 to 10;

each R<sup>1</sup> and R<sup>2</sup> is independently selected from the group consisting of alkyl moieties of from 1 to 18 carbon atoms, provided that, if Y is 0, at least one R<sup>2</sup> is Z;

Z is R<sup>3</sup>OB<sub>n</sub>G;

R<sup>3</sup> is an alkylene moiety of from 1 to 4 carbon atoms;

B is an alkylene oxide moiety selected from the group consisting of ethylene oxide, propylene oxide, butylene oxide, and mixtures thereof;

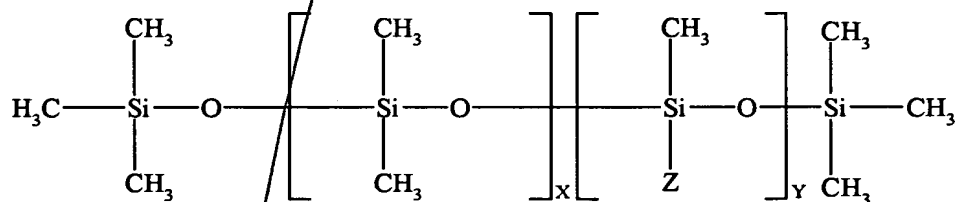
n is a number from 1 to 50 if, and only if, B contains ethylene oxide, otherwise n is a number from 1 to 10; and

G is selected from the group consisting of hydrogen, hydrocarbon moieties of from 1 to 18 carbon atoms, and acetyl.

The composition of claim 1 wherein all R<sup>1</sup> moieties are the same alkyl group.

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3. The composition of claim 2 wherein at least one  $R^2$  group is the same as  $R^1$ .
4. The composition of claim 2 wherein all  $R^1$  moieties are methyl groups.
5. The composition of claim 1 wherein  $R^3$  is propylene.
6. The composition of claim 1 wherein B is ethylene oxide.
7. The composition of claim 5 wherein B is ethylene oxide.
8. The composition of claim 1 wherein G is hydrogen or alkyl of from 1 to 4 carbon atoms.
9. The composition of claim 1 wherein the silicone additive is of the formula:



wherein Z is  $\text{C}_3\text{H}_6\text{O}(\text{C}_2\text{H}_4\text{O})_n\text{G}$ , G is hydrogen or an alkyl group of from 1 to 4 carbon atoms, and Y does not equal zero.

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1 10. The composition of claim 1 wherein the seed treatment formulation comprises at least  
2 one ingredient selected from the group consisting of an active agent, a carrier, a surfactant, a  
3 dispersing agent, a pigment or dye, an anti-caking agent, and a foam-control agent.

1 11. The composition of claim 10 wherein the active agent is selected from the group  
2 consisting of 5,6-dihydro-2-methyl-1,4-oxathiine-3-carboxanilide 4,4-dioxide; carboxin; 2,3-  
3 dihydro-2,2-dimethyl-7-benzofuranyl methyl carbamate; methylcarbamic acid 2-(2-chloro-1-  
4 methoxy ethoxy) phenyl ester; 2-(4-chlorophenyl)-3-cyclopropyl-1-(1H-1,2,4-triazol-1-yl)-  
butan-2-ol; pentachloronitrobenzene; 5-ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole;  
Rhizobium sp; Penicillium bilajii; Bacillus subtilis;  $\beta$ -(4-chlorophenoxy)- $\alpha$ -(1,1-dimethylethyl)-  
7 1H-1,2,4-triazole-1-ethanol; tetramethylthiuram disulfide; 2-(4-thiazolyl) benzimidazole; (2-  
8 methyl[1,1'-biphenyl]-3-yl)methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-  
9 dimethylcyclopropane-carboxylate; 1,2,3,4,5,6-hexachlorocyclo- hexane, gamma-isomer; N-  
10 (2,6-dimethylphenyl)-N-(methoxyacetyl)alanine methyl ester; 1-[(6-chloro-3-  
11 pyridinyl)methyl]-N-nitro-2-imidazolidinimine; tebuconazole; and  $\alpha$ -butyl- $\alpha'$ -(4-chlorophenyl)-  
12 1H-1,2,4-triazole propanenitrile.

1 12. The composition of claim 10 wherein the carrier is a hydrocarbon oil carrier selected  
2 from the group consisting of vegetable oil, petroleum-based hydrocarbon oil,  
3 paraffinic/naphthenic hydrocarbon oil, mineral oil, and mixtures thereof.

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1 13. The composition of claim 10 wherein the surfactant is selected from the group  
2 consisting of alkaryl sulfonates, diphenyl sulfonate derivatives, lignin and lignin derivatives,  
3 silicone-based surfactants, sulfonates of condensed naphthalenes, sulfonates of  
4 dodecyl/tridecyl benzene, sulfonates of naphthalene and alkyl naphthalene, sulfosuccinamates,  
5 sulfosuccinates, and mixtures thereof.

1 14. The composition of claim 10 wherein the dispersing agent is selected from the group  
2 consisting of block polymers, alkylphenol ethoxylates, ethoxylated alcohols, ethoxylated  
3 alkylphenols, polyacrylic acid, propoxylated alkylphenols, sulfonated ethoxylated alkylphenols,  
4 lignin and lignin derivatives, tridecyl and dodecyl benzene sulfonic acid, and mixtures thereof.